

Placa sólida descrita por la ecuación de calor 2D por diferencia finitas

Por: Jesús Castillo, Rafael Castillo, Yuleika
Ramos

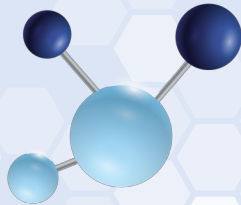




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01

Introducción





02

Objetivo





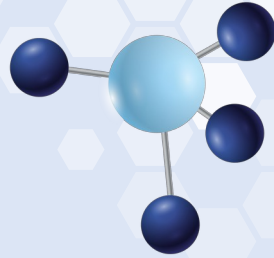
03

Metodología



04

Modelado





05

Resultados





06

Conclusiones





Purpose statement

What about Mercury?


Mercury is the closest planet to the Sun and the smallest one in the Solar System—it's only a bit larger than the Moon. This planet's name has nothing to do with the liquid metal

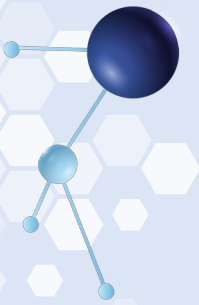
What about Venus?

Venus has a beautiful name and is the second planet from the Sun. It's terribly hot—even hotter than Mercury—and its atmosphere is extremely poisonous

What about Jupiter?

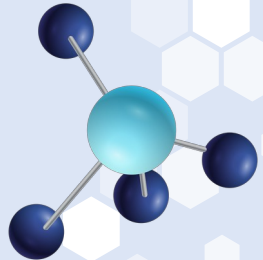
Jupiter is a gas giant and the biggest planet in the Solar System. It's the fourth-brightest object in the night sky. It was named after the Roman god of the skies and lightning





“This is a quote, words full of
wisdom that someone
important said and can make
the reader get inspired”

—Someone Famous





98,300,000

Big numbers catch your audience's attention





9h 55m 23s

Jupiter's rotation period

333,000

The Sun's mass compared to Earth's

386,000 km

Distance between Earth and the Moon





A picture always reinforces the concept

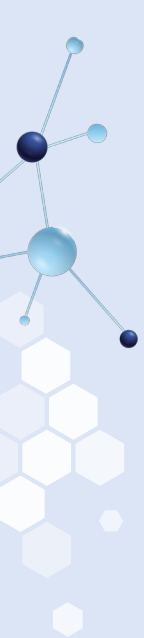
Images reveal large amounts of data,
so remember: use an image instead of
a long text. Your audience will
appreciate it



A picture is
worth a
thousand words

The background features a light blue gradient with decorative elements. On the left, a complex molecular structure with blue and dark blue spheres is partially visible. On the right, a smaller molecular structure with a large light blue sphere and two dark blue spheres is shown. The bottom left corner is decorated with a pattern of white and light blue hexagons.

**Awesome
words**



Current situation & problems statement

Current situation

Jupiter is a gas giant and the biggest planet in the Solar System. It's the fourth-brightest object in the night sky. It was named after the Roman god of the skies and lightning

01

Earth

Earth is the third planet from the Sun and has life

02

Mars

Despite being red, Mars is actually a cold place

03

Mercury

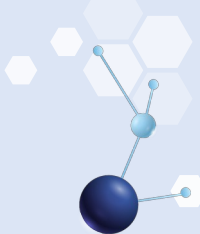
Mercury is the smallest planet in the Solar System

Problems



```
graph TD; 01[01 Earth] --- Problems[Problems]; 02[02 Mars] --- Problems; 03[03 Mercury] --- Problems;
```


Hypotheses



01

Hypothesis 1

Jupiter is a gas giant and the biggest planet in the Solar System. It's the fourth-brightest object in the night sky

02

Hypothesis 2

Neptune is the farthest planet from the Sun. It's also the fourth-largest planet by diameter in the Solar System

03

Hypothesis 3

Earth is the third planet from the Sun and the only one that harbors life in the Solar System. All humans live on this planet

Study objectives



Mercury

Mercury is the closest planet to the Sun and the smallest of them all



Venus

Venus has a beautiful name and is the second planet from the Sun



Mars

Despite being red, Mars is actually a cold place. It's full of iron oxide dust

Reviewing concepts is a good idea



Mars

Mars is actually a very cold place



Mercury

Mercury is the closest planet to the Sun



Venus

Venus has extremely high temperatures



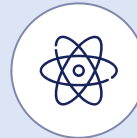
Neptune

Neptune is the farthest planet from the Sun



Saturn

Saturn is a gas giant with several rings




Jupiter

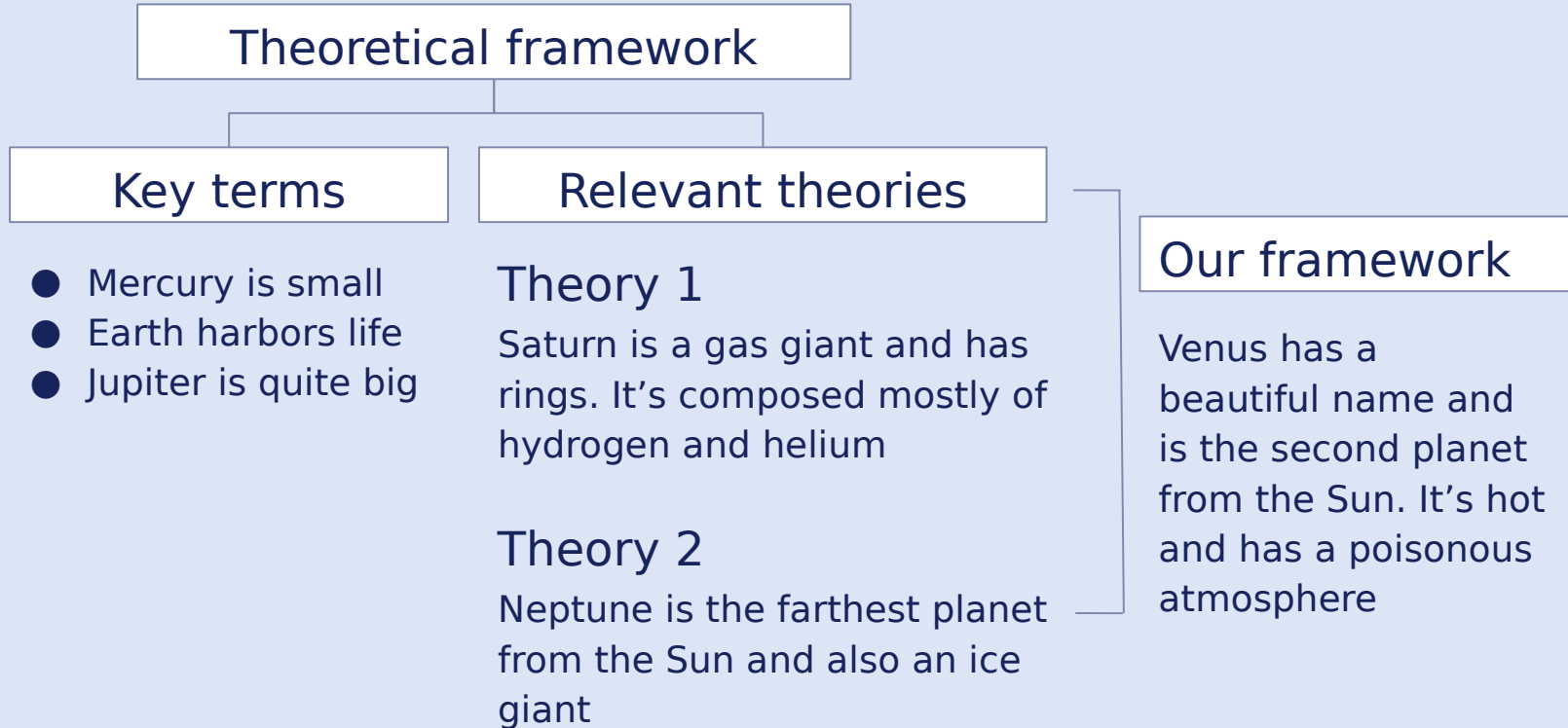
Jupiter is the biggest planet of them all



Literature review

- AUTHOR. (YEAR). *Title of the publication*. Publisher
 - Mercury is the closest planet to the Sun and the smallest one in the Solar System
 - AUTHOR. (YEAR). *Title of the publication*. Publisher
 - Mars is full of iron oxide dust, which gives the planet its reddish cast
 - AUTHOR. (YEAR). *Title of the publication*. Publisher
 - Jupiter is a gas giant and the biggest planet in the Solar System
 - AUTHOR. (YEAR). *Title of the publication*. Publisher
 - Venus has a beautiful name and is the second planet from the Sun
 - AUTHOR. (YEAR). *Title of the publication*. Publisher
 - Earth is the third planet from the Sun and harbors life
- 


Theoretical framework

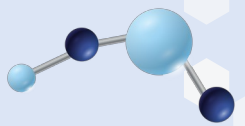




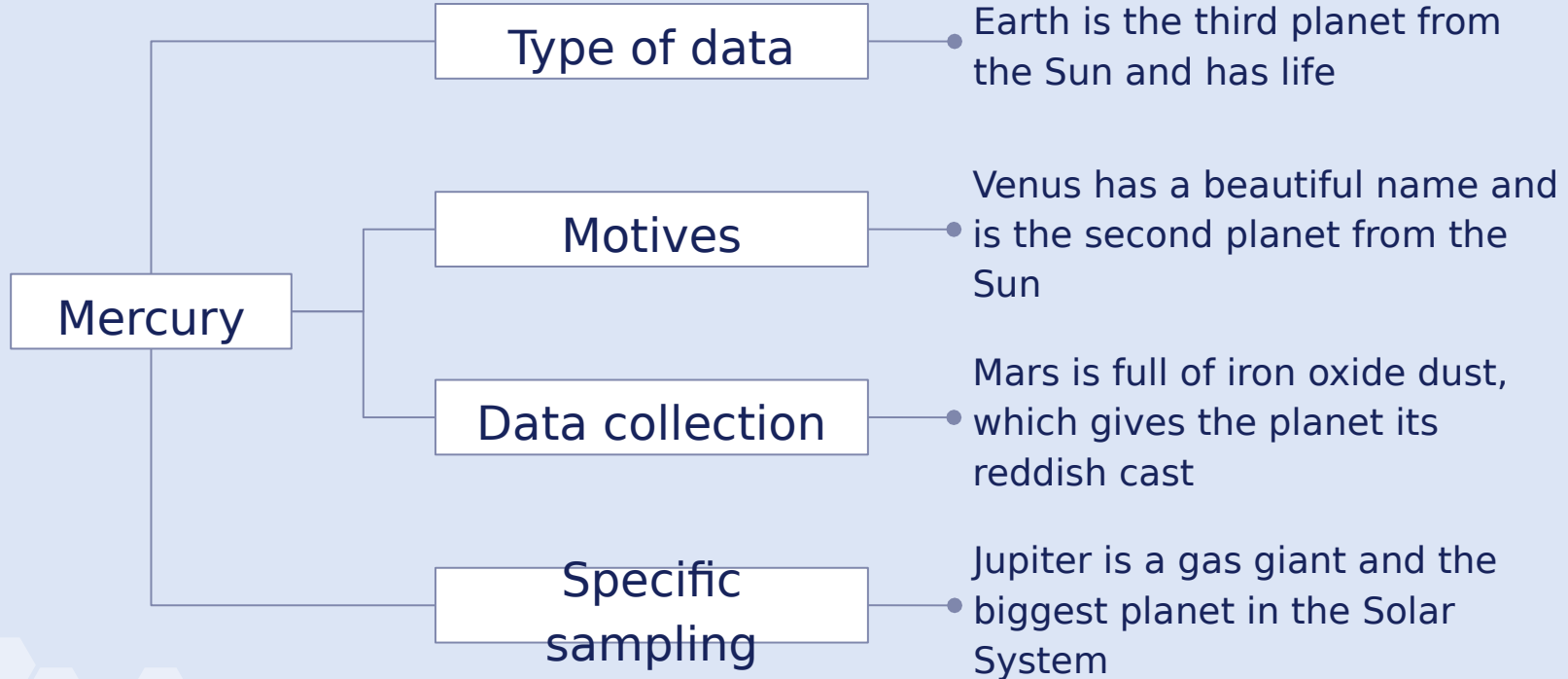
Schedule

Task	Description	Date	J	F	M	A	M	J	Status
Task 1	Despite being red, Mars is cold	Jan 1 - Feb 15							Completed
Task 2	Earth is the planet with life	Feb 1 - Apr 30							In progress
Task 3	Venus has a beautiful name	Mar 15 - Apr 30							Delayed
Task 4	Neptune is far away from us	Apr 20 - May 15							Not started
Task 5	Jupiter is a huge gas giant	May 1 - Jun 30							Not started





Methodology





Analysis & development

Phase 01

- Mercury is the closest planet to the Sun and the smallest one in the Solar System—it's a bit larger than the Moon
- Jupiter is a gas giant, the biggest planet in the Solar System and the fourth-brightest object in the night sky
- Neptune is the farthest planet from the Sun. It's also the fourth-largest planet by diameter in the Solar System

Phase 02

- Venus has a beautiful name and is the second planet from the Sun. It's terribly hot—even hotter than Mercury
- Saturn is a gas giant and has several rings. This planet is composed mostly of hydrogen and helium
- Earth is the third planet from the Sun and the only one that harbors life in the Solar System. We all live on this planet

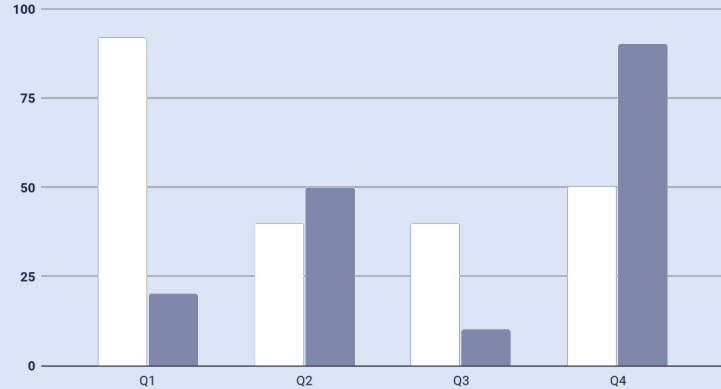
Analysis & development

Mercury is the closest planet to the Sun and the smallest one in the Solar System. This planet's name has nothing to do with the liquid metal

- The Sun is the star at the center of the Solar System
- Jupiter is the biggest planet in the entire Solar System
- Saturn is composed mostly of hydrogen and helium

Follow the link in the graph to modify its data and then paste the new one here.

[For more info, click here](#)



Venus

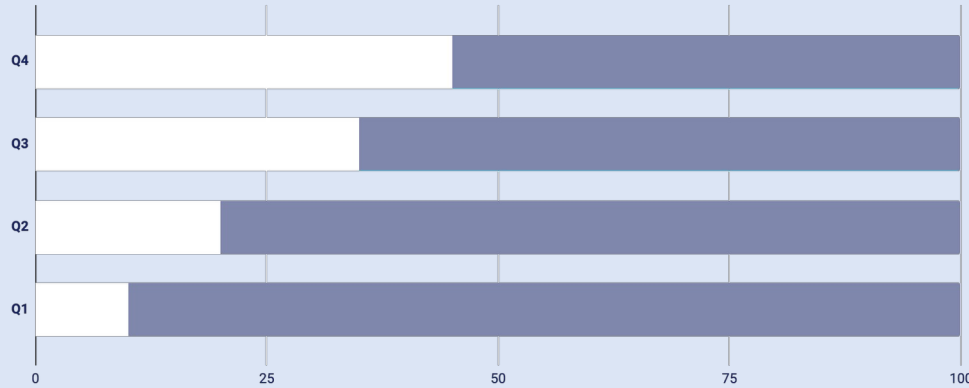
Venus has a beautiful name



Mercury

Mercury is quite a small planet

Analysis of the results



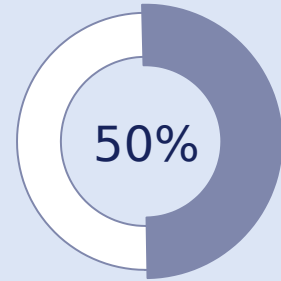
Mercury

Mercury is quite a small planet



Venus

Venus has a beautiful name



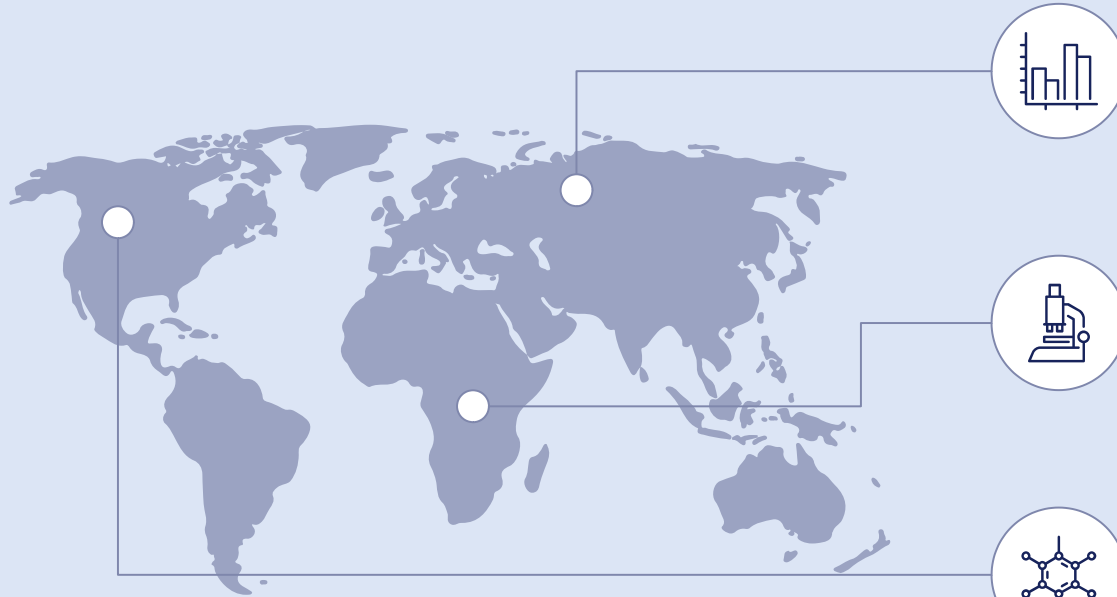
Mars

Despite being red, Mars is actually a cold place

Follow the link in the graph to modify its data and then paste the new one here.

[For more info, click here](#)

This is a map



Mars

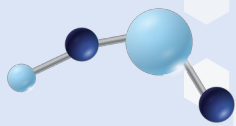
Despite being red, Mars is a very cold place

Mercury

Mercury is the closest planet to the Sun

Venus

Venus is the second planet from the Sun



Discussion

Mars & Earth

Despite being red, Mars is actually a cold place. It's full of iron oxide dust, which gives the planet its reddish cast. Earth is the third planet from the Sun and the only one that harbors life in the Solar System. We all live on this planet:

- Ceres is located in the main asteroid belt
- The Moon is Earth's natural satellite
- Neptune is very far from the Sun
- Pluto is now considered a dwarf planet

01

Discussion 1

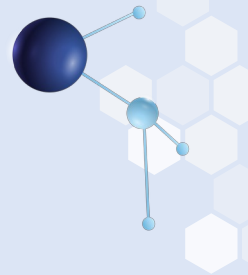
Mercury is the closest planet to the Sun and the smallest one in the Solar System—it's only a bit larger than the Moon

02

Discussion 2

Venus has a beautiful name and is the second planet from the Sun. It's terribly hot—even hotter than Mercury

Conclusions



01

Mars

Despite being red, Mars is actually a cold place. It's full of iron oxide dust

03

Venus

Venus has a very beautiful name and is the second planet from the Sun. It's terribly hot

02

Saturn

Saturn is a gas giant and has several rings. It's composed mostly of hydrogen and helium

04

Neptune

Neptune is the farthest planet from the Sun and the fourth-largest of them all

Bibliographical references

Surname, A. (YEAR). *Name of the source*. Publisher

Surname, A. (YEAR). *Name of the source*. Publisher

Surname, A. (YEAR). *Name of the source*. Publisher

Surname, A. (YEAR). *Name of the source*. Publisher

Surname, A. (YEAR). *Name of the source*. Publisher

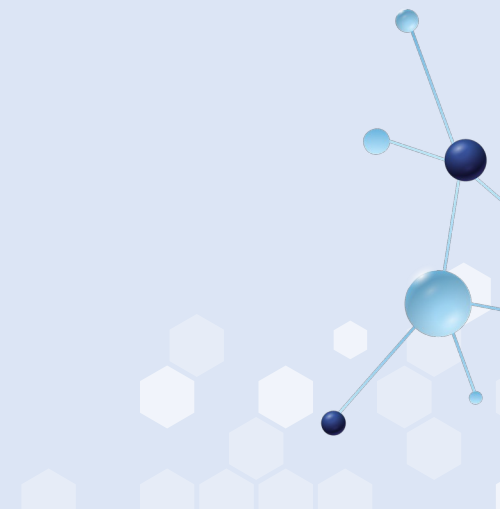
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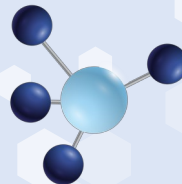
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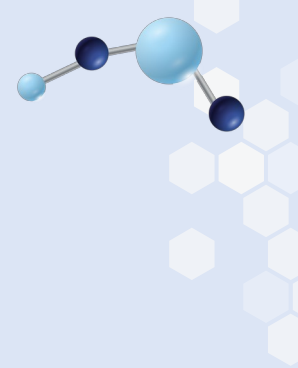
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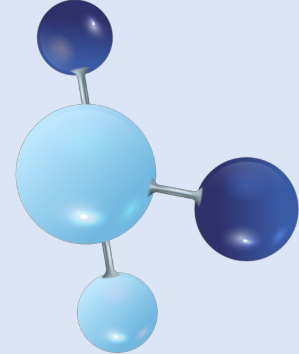
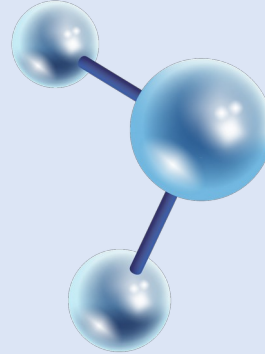
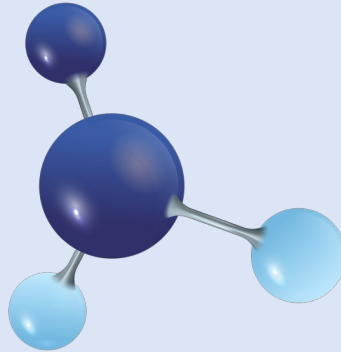
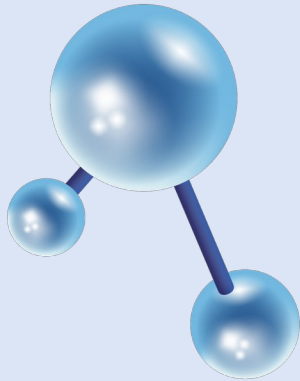


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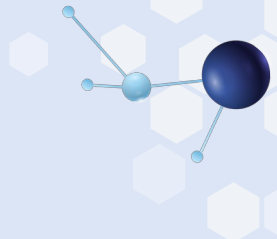
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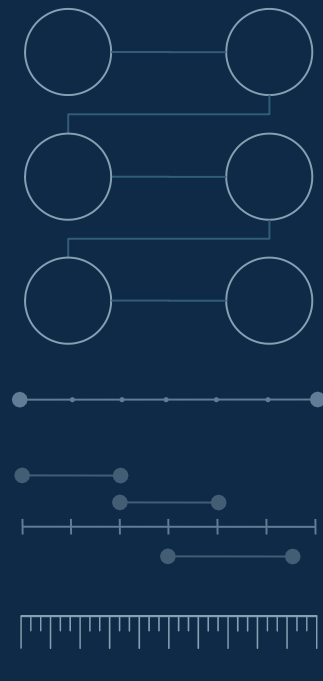
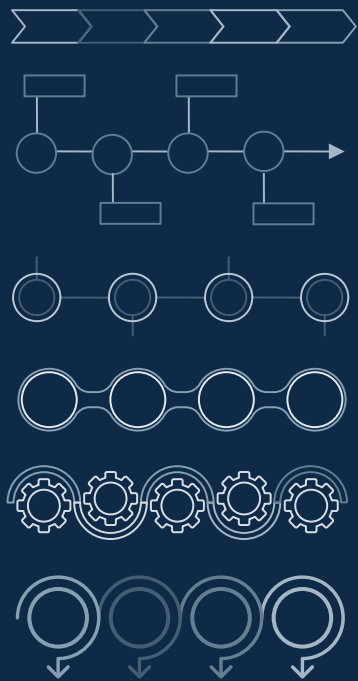
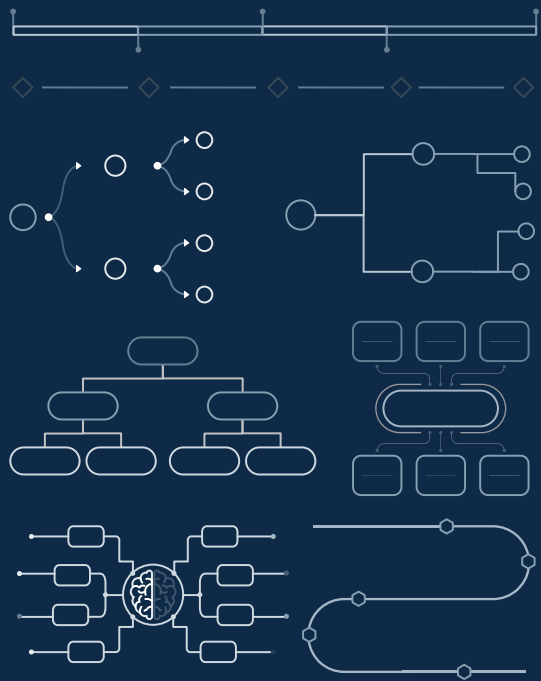
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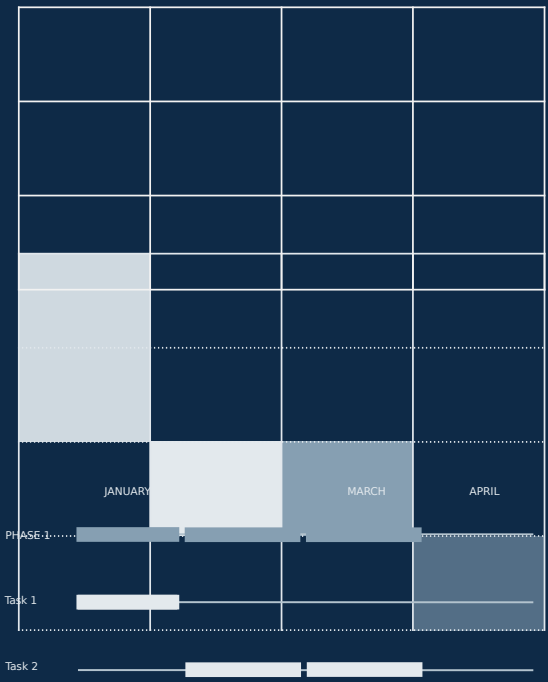
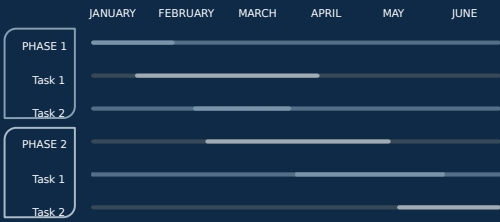
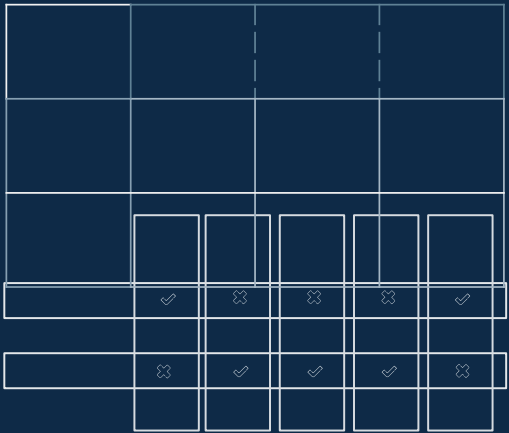
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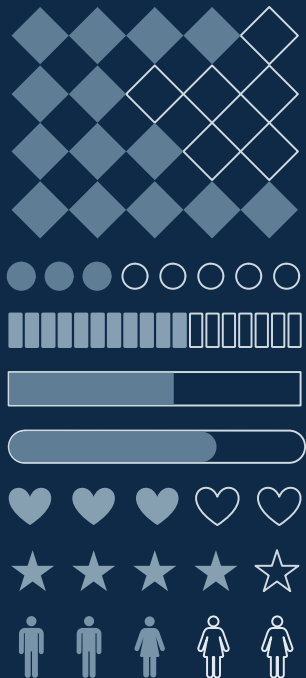
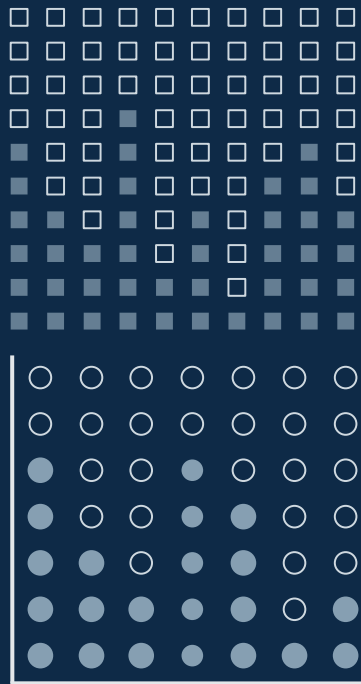












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